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Siemens Corporation Attn: Elsa Keller, Legal Administrator			ROSE, KIESHA L		
Intellectual Property Department 170 Wood Avenue South			ART UNIT	PAPER NUMBER	
			2822	2822	
Iselin, NJ 088	30		DATE MAILED: 11/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)						
Office Action Summary		10/666,443	INGLE, ANDREW		(gm)				
		Examiner	Art Unit		<u></u>				
	·	Kiesha L. Rose	2822						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status		*	•						
2a)⊠	Responsive to communication(s) filed on <u>21 Sec</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		merits is					
Dispositi	ion of Claims								
5)	Claim(s) is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are allowed. Claim(s) is/are objected to. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the	vn from consideration. cted. r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFI		·).				
Priority u	ınder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachmen	t(s)								
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary							
3) 🔀 Inform	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date [1] 3.05	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:		152)					

Art Unit: 2822

DETAILED ACTION

This Office Action is in response to the request for reconsideration filed 21 September 2005.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3,5-6,9 and 36 are rejected under 35 U.S.C. 102(e) as being anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over McCormick et al. (U.S. Publication 2003/0143423).

McCormick discloses an organic electronic device (Fig. 2a) that contains a substrate (12), an organic electronic device (OLED) (18) on said substrate, an epoxy (32) on said substrate, said epoxy surrounds a perimeter of said organic electronic device; the epoxy is an epoxy resin and can have a hardener and a filler (Page 3, Paragraph 31, Page 4, Paragraph 41) and an encapsulation lid (24) on said epoxy, wherein an interior portion of the encapsulation ring does not have a cavity, wherein said epoxy is a liquid or a gel and said epoxy includes a desiccant, said desiccant is:

Art Unit: 2822

barium oxide, calcium oxide, magnesium oxide, cobalt chloride, calcium chloride, calcium bromide, lithium chloride, zinc chloride, zinc bromide, sodium molecular, silicon dioxide, aluminum oxide, calcium sulfate, copper sulfate, potassium carbonate, magnesium carbonate, titanium dioxide, bentonite, acidic clay, montmorillonite, diatomaceous earth silica alumina, zeolite, silica, zirconia, activated carbon, or a mixture thereof, wherein the epoxy bonds encapsulation lid to the substrate and absorbs at least one of oxygen and moisture. (Page 3, Paragraph 34) In regards to the epoxy being in a liquid form or gel formed when being applied to the lid or substrate is a product by process limitation, a "product by process" claim is directed to the product per se, no matter how actually made, In re Hirao and Sato et al., 190 USPQ 15 at 17 (CCPA 1976) (footnote 3). See also In re Brown and Saffer, 173 USPQ 685 (CCPA 1972): In re Luck and Gainer, 177 USPQ 523 (CCPA 1973); In re Fessmann, 180 USPQ 324 (CCPA 1974); and In re Marosi et al., 218 USPQ 289 (CAFC 1983) final product per se which must be determined in a "product by, all of" claim, and not the patentability of the process, and that an old or obvious product, whether claimed in "product by process" claims or not. Note that Applicant has the burden of proof in such cases, as the above caselaw makes clear. Even though product -by [-] process claims are limited by and defined by the process, determination of patentability is based upon the product itself. The patentability of a product does not depend on its method of production. If the product in product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product is made by a different process." In re Thorpe, 227 USPQ 964, 966 (Fed. Cir. 1985)(citations omitted).

Art Unit: 2822

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over McCormick.

McCormick discloses all the limitations except for the epoxy applied by a syringe needle or screen printing and the epoxy being cured, a "product by process" claim is directed to the product per se, no matter how actually made, In re Hirao and Sato et al., 190 USPQ 15 at 17 (CCPA 1976) (footnote 3). See also In re Brown and Saffer, 173 USPQ 685 (CCPA 1972): In re Luck and Gainer, 177 USPQ 523 (CCPA 1973); In re Fessmann, 180 USPQ 324 (CCPA 1974); and In re Marosi et al., 218 USPQ 289 (CAFC 1983) final product per se which must be determined in a "product by, all of" claim, and not the patentability of the process, and that an old or obvious product, whether claimed in "product by process" claims or not. Note that Applicant has the burden of proof in such cases, as the above caselaw makes clear. Even though product –by [-] process claims are limited by and defined by the process, determination of patentability is based upon the product itself. The patentability of a product does not depend on its method of production. If the product in product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even

Art Unit: 2822

though the prior product is made by a different process." *In re Thorpe*, 227 USPQ 964, 966 (Fed. Cir. 1985)(citations omitted)."

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over McCormick.

McCormick discloses the claimed invention except for the desiccant to be finely particulated and have a particle size less than 10 microns. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the desiccant to be finely particulated and have a particle size less than 10 microns, since it has been held that where the general condition of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233. (1955) In addition the reference discloses that the desiccant particles to be fine as possible and small as possible for efficient loading and to reduce the likelihood of bond line adhesion failing. (Page 3, Paragraph 37) Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the desiccant made of fine particles for efficient loading and to reduce the likelihood of bond line adhesion failing as taught by McCormick.

Claims 21-24, 26-29 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over McCormick.

McCormick discloses an organic electronic device (Fig. 1a) that contains a substrate (12); an organic electronic device (OLED) (18) on said substrate, a desiccant ring (22) on said substrate, said desiccant ring surrounds a perimeter of said organic electronic device; an epoxy (26) on said substrate, said epoxy surrounds a perimeter of

Art Unit: 2822

said desiccant ring and an encapsulation lid (24) on said epoxy, wherein an interior portion of the encapsulation ring does not have a cavity, the desiccant ring is made of: an alkali metal or an alkaline- earth metal and comprised of barium or calcium and absorbs at least one of oxygen and moisture, the epoxy can or cannot absorb oxygen or moisture depending on if the epoxy contains a desiccant, wherein the epoxy including a desiccant the desiccant is barium oxide, calcium oxide, magnesium oxide, cobalt chloride, calcium chloride, calcium bromide, lithium chloride, zinc chloride, zinc bromide, sodium molecular, silicon dioxide, aluminum oxide, calcium sulfate, copper sulfate, potassium carbonate, magnesium carbonate, titanium dioxide, bentonite, acidic clay, montmorillonite, diatomaceous earth silica alumina, zeolite, silica, zirconia, activated carbon, or a mixture thereof. (Page 3, Paragraph 34) In regards to the desiccant ring being evaporated into the encapsulation lid before applying the epoxy and the epoxy being a liquid or gel when applied, a "product by process" claim is directed to the product per se, no matter how actually made, In re Hirao and Sato et al., 190 USPQ 15 at 17 (CCPA 1976) (footnote 3). See also In re Brown and Saffer, 173 USPQ 685 (CCPA 1972): In re Luck and Gainer, 177 USPQ 523 (CCPA 1973); In re Fessmann, 180 USPQ 324 (CCPA 1974); and In re Marosi et al., 218 USPQ 289 (CAFC 1983) final product per se which must be determined in a "product by, all of" claim, and not the patentability of the process, and that an old or obvious product, whether claimed in "product by process" claims or not. Note that Applicant has the burden of proof in such cases, as the above caselaw makes clear. Even though product -by [-] process claims are limited by and defined by the process, determination of patentability is based upon

Art Unit: 2822

the product itself. The patentability of a product does not depend on its method of production. If the product in product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product is made by a different process." *In re Thorpe*, 227 USPQ 964, 966 (Fed. Cir. 1985)(citations omitted)." McCormick discloses the claimed invention except for the thickness of the desiccant ring. It would have been obvious to one having ordinary skill in the art at the time the invention was made to make the thickness of the desiccant ring between 300nm to 1 micron, since it has been held that where the general condition of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233. (1955)

Response to Arguments

Applicant's arguments filed 21 September 2005 have been fully considered but they are not persuasive. Applicant argues that the McCormick reference does not disclose the epoxy to be in a liquid or gel form when applied to the encapsulation lid or the substrate, this limitation is a process limitation since it is not the final product, a "product by process" claim is directed to the product per se, no matter how actually made, In re Hirao and Sato et al., 190 USPQ 15 at 17 (CCPA 1976) (footnote 3). See also In re Brown and Saffer, 173 USPQ 685 (CCPA 1972): In re Luck and Gainer, 177 USPQ 523 (CCPA 1973); In re Fessmann, 180 USPQ 324 (CCPA 1974); and In re Marosi et al., 218 USPQ 289 (CAFC 1983) final product per se which must be determined in a "product by, all of" claim, and not the patentability of the process, and

Art Unit: 2822

that an old or obvious product, whether claimed in "product by process" claims or not. Note that Applicant has the burden of proof in such cases, as the above caselaw makes clear. Even though product -by [-] process claims are limited by and defined by the process, determination of patentability is based upon the product itself. The patentability of a product does not depend on its method of production. If the product in product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product is made by a different process." In re Thorpe, 227 USPQ 964, 966 (Fed. Cir. 1985)(citations omitted)." Also the McCormick reference discloses that the epoxy can be formed of different materials such as hot melt adhesives, thermoset adhesives or UV curable adhesives, which can be gel. In addition applicant states that the epoxy does not disclose a desiccant, this is erroneous as stated in the previous office action that the epoxy can contain desiccant, which comprise the materials that were stated in the claim. (Page 3, Paragraph 34) Therefore the McCormick reference discloses the claimed limitations and the rejection stands.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 2822

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiesha L. Rose whose telephone number is 571-272-1844. The examiner can normally be reached on M-F 8:30-6:00 off 2nd Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Trimp Primary Examine:

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